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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/932,286	08/17/2001	Steven B. McGowan	884.516US1	4742
21186	7590	02/21/2008	EXAMINER	
SCHWEGMAN, LUNDBERG & WOESSNER, P.A. P.O. BOX 2938 MINNEAPOLIS, MN 55402			HASHEM, LISA	
			ART UNIT	PAPER NUMBER
			2614	
			MAIL DATE	DELIVERY MODE
			02/21/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

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DETAILED ACTION

1. Applicant's request, made in the After Final Amendment filed on 1-28-08, to withdraw the finality of the Final Office Action filed on 11-27-07 on the ground(s) that prior art do not teach the claimed invention is persuasive/convincing. Accordingly, the finality of the Office Action is hereby vacated. A new Office Action is set forth below.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 34-36, 47, and 48 are rejected under 35 U.S.C. 102(e) as being anticipated by U.S. Pat. No. 6,493,546 by Patsiokas.

Regarding claim 34, Patsiokas discloses a sound generation device (Fig. 1, 16; Fig. 2, 11; i.e. auxiliary audio signal processing and display device) comprising:

an audio source to generate an audio signal (i.e. SDARS) (Fig. 1, 13; col. 2, lines 59-65; col. 3, lines 7-10);

a frequency modulation (FM) radio frequency (RF) transmitter (Fig. 1, 18), coupled to the audio source, to transmit an FM carrier signal modulated with the audio signal, the FM carrier signal having a specific carrier frequency within the range of 87.7 to 107.9 megahertz (i.e. 88.5 MHz, 98.7 MHz, or 103.5 MHz) that does not interfere with transmission frequencies in a commercial FM broadcast band of 87.7 to 107.9 megahertz in a geographical region (Fig. 2, 11) in which the

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sound generation device is currently located (col. 3, lines 14-43; col. 4, lines 4-21);
a channel locator controller (Fig. 7, 60) to identify an available non-interfering carrier frequency,
wherein the channel locator controller includes
an RF receiver (Fig. 3: 58, 61; Fig. 7: 58, 61), coupled to the RF transmitter, to receive FM
signals having different carrier frequencies (col. 5, lines 34-62); and
a channel locator circuit (Fig. 7: 73), coupled to the RF receiver, to identify two or more bands of
FM carrier frequencies below a minimum signal strength (col. 5, lines 38-52);
wherein the channel locator controller (Fig. 7, 60) is configured to identify an available non-
interfering carrier frequency from an evaluation of the two or more bands of FM carrier
frequencies (col. 5, lines 52-62); and
an out-of-band transmitter (Fig. 1, 22) to transmit a channel selection signal comprising the
available non-interfering carrier frequency (col. 3, lines 54-62).

Regarding claim 35, the sound generation device recited in claim 34, wherein Patsiokas
discloses the sound generation device further comprises: a channel selection circuit (Fig. 7, 74),
coupled to the RF transmitter, to select the available carrier frequency on which to transmit the
FM carrier signal (col. 5, lines 38-52).

Regarding claim 36, the sound generation device recited in claim 34, wherein Patsiokas
discloses the sound generation device comprises one of an MP3 (Motion Picture Experts Group,
Audio Layer 3) player, a compact disk player (Fig. 3, 52), a mini-disk player, a micro-disk
player, a digital music player, a digital video disk player, a cassette tape player (Fig. 3, 52), a
radio, a cellular phone, a handheld computer, a portable computer, a television, a video player, a

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personal digital assistant, an electronic musical instrument, an electronic toy, and a wireless microphone (col. 4, lines 32-45).

Regarding claim 47, the sound generation device recited in claim 34, wherein Patsiokas discloses the channel locator controller identifies the available non-interfering carrier frequency by selecting a center frequency of a first band of FM carrier frequencies having at least a predetermined frequency width (i.e. 200 KHz) (col. 5, lines 34-62).

Regarding claim 48, the sound generation device recited in claim 34, wherein Patsiokas discloses the channel locator controller identifies the available non-interfering carrier frequency by selecting a center frequency of a widest identified band (i.e. 200 KHz) (col. 5, lines 34-62).

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 41, 45, and 46 are rejected under 35 U.S.C. 103(a) as being unpatentable over Patsiokas in view of U.S. Pat. No. 6,181,921 by Konisi et al, hereinafter Konisi.

Regarding claim 41, Patsiokas discloses a portable electronic device (Fig. 1, 16; Fig. 2, 11; i.e. auxiliary audio signal processing and display device) comprising:
an audio source to generate an audio signal (i.e. SDARS) (Fig. 1, 13; col. 2, lines 59-65; col. 3, lines 7-10);
a frequency modulation (FM) radio frequency (RF) transmitter (Fig. 1, 18), coupled to the audio source, to transmit an FM carrier signal modulated with the audio signal (col. 4, lines 4-21); and

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a channel locator controller (Fig. 7, 60) to identify an available non-interfering carrier frequency for the FM carrier signal having a specific carrier frequency within the range of 87.7 to 107.9 megahertz (i.e. 88.5 MHz, 98.7 MHz, or 103.5 MHz) that does not interfere with transmission frequencies in a commercial FM broadcast band of 87.7 to 107.9 megahertz in a geographical region (Fig. 2, 11) in which the portable electronic device is currently located (col. 3, lines 14-43; col. 4, lines 4-21; col. 5, lines 34-62);

wherein the channel locator controller (Fig. 7, 60) includes a stored program digital computer (Fig. 7: 73, 74), the computer to store a database of two or more available non-interfering carrier frequencies (col. 5, lines 38-52);

and

wherein the channel locator controller is configured to identify a selected non-interfering carrier frequency from two or more available non-interfering frequencies stored in the database based on an evaluation of the two or more available non-interfering frequencies (col. 5, lines 52-62).

Patsiokas discloses identifying a selected non-interfering carrier frequency from available non-interfering frequencies. However, Patsiokas does not disclose a geolocation source.

Konisi discloses a portable electronic device (Figs: 1A, 1B; col. 7, line 66 – col. 9, line 7) comprising:

an audio source (col. 11, line 64 - col. 12, line 40) to generate an audio signal coupled with a geolocation source (col. 8, lines 6-22; Fig. 1A, 112);

a frequency modulation (FM) radio frequency (RF) transmitter (Fig. 1B, 222), coupled to the audio source, to transmit an FM carrier signal modulated with the audio signal (col. 8, line 65 – col. 9, line 2), the FM carrier signal having a specific carrier frequency that does not interfere

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with transmission frequencies in a commercial FM broadcast band in a geographical region in which the sound generation device is currently located (col. 7, lines 1-31; col. 12, lines 20-40); and a channel locator controller (Fig. 1B, 100) to identify a non-interfering carrier frequency, wherein the channel locator controller includes a stored program digital computer (Fig. 1B, 144), the computer to store a database of non-interfering carrier frequencies arranged by geolocation (col. 10, lines 28-32); and a geolocation source (col. 8, lines 6-22; Fig. 1A, 112) coupled to the stored program digital computer to provide a geolocation to the stored program digital computer.

It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the portable electronic device of Patsiokas to include a geolocation source as taught by Konisi. One of ordinary skill in the art would have been led to make such a modification to provide a source that can detect the location of the portable electronic device and provide local broadcasting information to the device according to its location.

Regarding claim 45, the device recited in claim 41, wherein Patsiokas discloses the audio source comprises prerecorded audio source material (col. 3, lines 7-10).

Regarding claim 46, the device recited in claim 41, wherein Patsiokas discloses the audio source comprises a digital music player (col. 3, lines 7-10; col. 4, lines 21-45).

Conclusion

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. See PTO-892 Form.

7. Any response to this action should be mailed to:

Commissioner for Patents
P.O. Box 1450

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Alexandria, VA 22313-1450

Or faxed to:

(571) 273-8300 (for formal communications intended for entry)

Or call:

(571) 272-2600 (for customer service assistance)

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Lisa Hashem whose telephone number is (571) 272-7542. The examiner can normally be reached on M-F 8:30-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Fan Tsang can be reached on (571) 272-7547. Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (571) 272-2600.

9. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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February 19, 2008

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